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Search Results - Record(s) 1 through 20 of 20 returned.

☑   1.   Document ID: US 6632992 B2

L10: Entry 1 of 20   File: USPT   Oct 14, 2003

US-PAT-NO: 6632992
DOCUMENT-IDENTIFIER: US 6632992 B2

TITLE: System and method for distributing music data with advertisement

DATE-ISSUED: October 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hasegawa; Yutaka	Hamamatsu			JP

US-CL-CURRENT: 84/609; 434/307A, 705/14

ABSTRACT:

A music data providing apparatus comprises a memory that stores a plurality of music data and a plurality of advertisement data, a receiver that receives a request for a desired music data from a user via a network, an advertisement appending device that appends at least one advertisement data among the plurality of advertisement data stored in said memory to the music data corresponding to the received request, and a transmitter that transmits the music data appended with the advertisement data to the user via the network.

21 Claims, 16 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 11

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image |

☐   2.   Document ID: US 6606744 B1

L10: Entry 2 of 20   File: USPT   Aug 12, 2003

US-PAT-NO: 6606744
DOCUMENT-IDENTIFIER: US 6606744 B1

TITLE: Providing collaborative installation management in a network-based supply chain environment

DATE-ISSUED: August 12, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mikurak; Michael G.	Hamilton	NJ		

US-CL-CURRENT: 717/174; 705/26, 717/178

ABSTRACT:

A system, method and article of manufacture are provided for collaborative installation management in a network-based supply chain environment. According to an embodiment of the invention, telephone calls, data and other multimedia information are routed through a network system which includes transfer of information across the internet utilizing telephony routing information and internet protocol address information. The system includes integrated Internet Protocol (IP) telephony services allowing a user of a web application to communicate in an audio fashion in-band without having to pick up another telephone. Users can click a button and go to a call center through the network using IP telephony. The system invokes an IP telephony session simultaneously with the data session, and uses an active directory lookup whenever a user uses the system. Users include service providers and manufacturers utilizing the network-based supply chain environment.

18 Claims, 130 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 130

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Desc	Image

☐   3.   Document ID: US 6584093 B1

L10: Entry 3 of 20   File: USPT   Jun 24, 2003

US-PAT-NO: 6584093
DOCUMENT-IDENTIFIER: US 6584093 B1

TITLE: Method and apparatus for automatic inter-domain routing of calls

DATE-ISSUED: June 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Salama; Hussein Farouk	Sunnyvale	CA		
Oran; David R.	Acton	MA		
Shah; Dhaval N.	Santa Clara	CA		

US-CL-CURRENT: 370/351; 370/466

ABSTRACT:

A method and apparatus for inter-domain routing of calls in a network, where the network represents a first wide area network. A routing node of the network advertises its access to a range of addresses in a second wide area network and a cost for access to the range of addresses to all adjacent nodes in the network. Each of the adjacent nodes inserts an entry in its own routing table associating access to the range of addresses in the second wide area network with the network address of the routing node and the cost for access. Each adjacent node then modifies the cost for access by adding its own cost and advertises its access to the range of addresses in the second wide area network and the modified cost for access to all of its adjacent nodes. When a call addressed to a destination address in the range of address in the second wide area network is received at each node of the network, then the node searches for the entry in its routing table corresponding to the range of addresses in the second wide area network having the lowest cost for access and connects the call to the adjacent node associated with the entry having the lowest cost. The routing node can also advertise one or more protocol types which it can support, where the protocol types are associated with the routing node in the routing table in each adjacent node and a call having a given protocol type is also routed at each node of the network based upon its protocol type.

29 Claims, 22 Drawing figures
Exemplary Claim Number: 1

Number of Drawing Sheets: 17

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image |

☐ 4.   Document ID: US 6564261 B1

L10: Entry 4 of 20   File: USPT   May 13, 2003

US-PAT-NO: 6564261
DOCUMENT-IDENTIFIER: US 6564261 B1

TITLE: Distributed system to intelligently establish sessions between anonymous users over various networks

DATE-ISSUED: May 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gudjonsson; Gudjon M.	Reykjavik			IS
Emilsson; Kjartan Pierre	Reykjavik			IS

US-CL-CURRENT: 709/227; 370/261, 379/900

ABSTRACT:

A network provides users with a simple and secure way of establishing communication sessions with other users or services, running either over IP networks or other networks, e.g., PSTN. In a sense, the network can broker communication services between two or more users (e.g., people) and/or services. A plurality of different clusters of servers is provided, and each of the clusters may be linked together. In certain embodiments, each cluster includes multiple servers. Users are registered within some specific cluster and given a unique system/network ID. In certain embodiments, messages are not sent directly between users, but instead through at least one intermediate routing service (RS) provided on a server of one of the users. Thus, in certain embodiments, a user may hide or mask his/her personal information from other users even when communicating with them. In certain embodiments, a user may establish a communication session with another user without knowledge of the client device (e.g., PC, mobile phone, etc.) being used by the other user; as the network arranges for communication (e.g., text chat session, voice chat session (PC to PC, PC to PSTN, or PC to mobile phone), web conference, or pages (PC to PC, PC to SMS)) between the users regardless of the client device being used by the called user. Thus, the network enables any of the above communication services between users, and the initiating user need not know whether the other user is currently online via his/her PC or may instead be reached via pager or mobile phone.

20 Claims, 28 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 17

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

☐ 5.   Document ID: US 6542499 B1

L10: Entry 5 of 20   File: USPT   Apr 1, 2003

US-PAT-NO: 6542499
DOCUMENT-IDENTIFIER: US 6542499 B1

TITLE: PSTN fallback using dial on demand routing scheme

DATE-ISSUED: April 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Murphy; James	San Ramon	CA		
Umansky; Ilya	San Jose	CA		

US-CL-CURRENT: 370/352; 370/238, 370/435

ABSTRACT:

A call fallback scheme is provided in a packet switched network. After receiving
incoming calls, a Voice over IP (VoIP) link is established over a packet switched
network with a destination endpoint. VoIP packets are generated from the incoming
calls and sent over the VoIP link to the destination endpoint. When a low quality of
service condition is detected on the VoIP link with the destination endpoint, a
fallback call is established with the destination endpoint over a circuit switched
network. The VoIP packets for the incoming calls are redirected from the VoIP link
to the circuit switched data link. As opposed to simply hairpinning a TDM voice call
back over the PSTN network 102, the same VoIP packets for the incoming calls
originally destine for the destination endpoint over the packet switched network are
rerouted through the fallback call. This simplifies synchronization with VoIP
packets sent over the VoIP network. Because VoIP packets for more than one call can
be sent over the fallback call, the cost of maintaining the fallback call is also
substantially reduced.

36 Claims, 20 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 16

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

☑   6.   Document ID: US 6442529 B1

L10: Entry 6 of 20   File: USPT   Aug 27, 2002

US-PAT-NO: 6442529
DOCUMENT-IDENTIFIER: US 6442529 B1

TITLE: Methods and apparatus for delivering targeted information and advertising
over the internet

DATE-ISSUED: August 27, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Krishan; Baldev	Fremont	CA		
Chang; Leo Chien	Santa Clara	CA		
Lambert; Ronald G.	Milpitas	CA		

US-CL-CURRENT: 705/14; 705/32, 705/400

ABSTRACT:

Apparatus and methods are provided for subsidizing Internet access through
advertising using a "portal provider" that supplies a "mini-portal" to the users of
selected Internet service providers (ISPs). The mini-portal includes communications
hardware, for connecting to the Internet, and display software, for displaying
advertisements or other messages from local non-volatile storage during idle time,

such as when the user's computer is connecting to the Internet. Advertisers are sold
access to display their advertisements through the display software, and the revenue
thus generated may be used to subsidize providing the mini-portal and Internet
access fees. A validation mechanism is provided wherein a validation server operated
by the portal provider sends data to the mini-portal that helps keep the
advertisements current, and gives the portal provider an ongoing role in providing
advertisements to mini-portal users.

40 Claims, 12 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

☑ 7. Document ID: US 6411725 B1

L10: Entry 7 of 20   File: USPT   Jun 25, 2002

US-PAT-NO: 6411725
DOCUMENT-IDENTIFIER: US 6411725 B1

TITLE: Watermark enabled video objects

DATE-ISSUED: June 25, 2002

INVENTOR-INFORMATION:
NAME   CITY   STATE   ZIP CODE   COUNTRY
Rhoads; Geoffrey B.   West Linn   OR

US-CL-CURRENT: 382/100

ABSTRACT:

Watermarks in video signals or the accompanying audio track are used to associate
video objects in a video sequence with object specific actions or information. A
video object refers to a spatial and temporal portion of a video signal that depicts
a recognizable object, such as a character, prop, graphic, etc. Each frame of a
video signal may have one or more video objects. The auxiliary information is
embedded in video or audio signals using "steganographic" methods, such as digital
watermarks. By encoding object specific information into video or an accompanying
audio track, the watermarks transform video objects into "watermark enabled" video
objects that provide information, actions or links to additional information or
actions during playback of a video or audio-visual program. A similar concept may be
applied to audio objects, i.e. portions of audio that are attributable to a
particular speaker, character, instrument, artist, etc.

14 Claims, 10 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 7

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

☐ 8. Document ID: US 6356664 B1

L10: Entry 8 of 20   File: USPT   Mar 12, 2002

US-PAT-NO: 6356664
DOCUMENT-IDENTIFIER: US 6356664 B1

TITLE: Selective reduction of video data using variable sampling rates based on importance within the image

DATE-ISSUED: March 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dunn; James M.	Ocean Ridge	FL		
Stern; Edith H.	Boca Raton	FL		
Willner; Barry E.	Briarcliff manor	NY		

US-CL-CURRENT: 382/239; 375/240.08, 375/240.21, 375/240.29, 382/175, 382/243, 382/311

ABSTRACT:

In a reduction process, data in portion buffers are selectively sampled at different sampling rates proportional to their assigned weights. For instance, portions assigned highest weights could be sampled at a reference rate corresponding to the repetition frequency of the originally received frames, portions assigned lowest weights could be sampled at 1/10th the reference rate, and portions assigned weights intermediate the lowest and highest ones could be sampled at rates less than the reference rate but more than 1/10th the reference rate. Accordingly, sampled portions assigned less than highest weights, but containing data representing objects in motion, could be subject to reproduction with less clarity than sampled portions assigned highest weight. In one application, video data depicting a public figure addressing an audience is processed to assign highest weights to the speaker's facial features, arms and other relevant body parts, and lesser weights to other picture elements including members of the audience. In another example, video data captured by a surveillance camera is processed to assign highest weights to picture elements capable of representing unauthorized intrusion into a scanned area, and lesser weights to data representing objects that are either static or in the equivalent of a static condition. In another example, video data representing a commercial to be televised is processed to assign highest weights to an advertised object or product worn or carried by a person in motion (e.g. sneakers worn by a moving athlete) and lesser weights to picture parts not directly relevant to the advertised object.

11 Claims, 9 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 4

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw. Desc | Image |

☑ 9. Document ID: US 6354748 B1

L10: Entry 9 of 20   File: USPT   Mar 12, 2002

US-PAT-NO: 6354748
DOCUMENT-IDENTIFIER: US 6354748 B1

TITLE: Playing audio files at high priority

DATE-ISSUED: March 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vrvilo; Benjamin	Portland	OR		

US-CL-CURRENT: 709/204; 348/14.08, 700/94, 704/501, 709/328

ABSTRACT:

An application programming interface (API), implemented on a general-purpose host processor, receives functions calls from an application to control the play of an audio file. The API translates the function calls into host-to-board messages and transmits the host-to-board messages to an audio task, implemented on a digital signal processor. The audio task plays the audio file based on the host-to-board messages received from the API at a higher priority than one or more other audio files. The API and audio task allow the application to select a Microsoft.RTM.-standard Wave file for play at a higher priority than other Wave files. By using the API, the application has control of the number of times the file is played back and when playing stops. The application gets notification of playback complete from the audio task via the API.

20 Claims, 45 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 41

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

☐   10.   Document ID: US 6282192 B1

L10: Entry 10 of 20   File: USPT   Aug 28, 2001

US-PAT-NO: 6282192
DOCUMENT-IDENTIFIER: US 6282192 B1

TITLE: PSTN fallback using dial on demand routing scheme

DATE-ISSUED: August 28, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Murphy; James	San Ramon	CA		
Umansky; Ilya	San Jose	CA		

US-CL-CURRENT: 370/352; 370/238, 370/435

ABSTRACT:

A call fallback scheme is provided in a packet switched network. After receiving incoming calls, a Voice over IP (VoIP) link is established over a packet switched network with a destination endpoint. VoIP packets are generated from the incoming calls and sent over the VoIP link to the destination endpoint. When a low quality of service condition is detected on the VoIP link with the destination endpoint, a fallback call is established with the destination endpoint over a circuit switched network. The VoIP packets for the incoming calls are redirected from the VoIP link to the circuit switched data link. As opposed to simply hairpinning a TDM voice call back over the PSTN network 102, the same VoIP packets for the incoming calls originally destine for the destination endpoint over the packet switched network are rerouted through the fallback call. This simplifies synchronization with VoIP packets sent over the VoIP network. Because VoIP packets for more than one call can be sent over the fallback call, the cost of maintaining the fallback call is also substantially reduced.

27 Claims, 20 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 16

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

☐ 11. Document ID: US 6275806 B1

L10: Entry 11 of 20   File: USPT   Aug 14, 2001

US-PAT-NO: 6275806
DOCUMENT-IDENTIFIER: US 6275806 B1

TITLE: System method and article of manufacture for detecting emotion in voice
signals by utilizing statistics for voice signal parameters

DATE-ISSUED: August 14, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pertrushin; Valery A.	Arlington Heights	IL		

US-CL-CURRENT: 704/272; 704/270

ABSTRACT:

A database is provided. The database includes statistics of human associations of
human voice parameters with emotions. A voice signal is received. At least one
feature of this voice signal is extracted. This extracted voice feature is then
compared to the voice parameters in the database. An emotion is selected from the
database based on the comparison of the extracted voice feature to the voice
parameters. Input from the user is received. This input includes a user-determined
emotion. The user-determined emotion is compared with the emotion selected from the
database. The selected emotion is output and a determination as to whether the
user-determined emotion matches the emotion selected from the database is made. A
prize is then awarded to the user if the user-determined emotion is determined to
match the selected emotion from the database.

20 Claims, 39 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 35

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [Reference] [Sequences] [Attachments]   [KWIC] [Draw. Desc.] [Image]

☐ 12. Document ID: US 6199076 B1

L10: Entry 12 of 20   File: USPT   Mar 6, 2001

US-PAT-NO: 6199076
DOCUMENT-IDENTIFIER: US 6199076 B1

TITLE: Audio program player including a dynamic program selection controller

DATE-ISSUED: March 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Logan; James	Windham	NH	03087	
Goessling; Daniel F.	Wayland	MA	01778	
Call; Charles G.	Hingham	MA	02043	

US-CL-CURRENT: 715/501.1; 434/319, 434/320

ABSTRACT:

An audio program and message distribution system in which a host system organizes

and transmits program segments to client subscriber locations. The host organizes the program segments by subject matter and creates scheduled programming in accordance with preferences associated with each subscriber. Program segments are associated with descriptive subject matter segments, and the subject matter segments may be used to generate both text and audio cataloging presentations to enable the user to more easily identify and select desirable programming. A playback unit at the subscriber location reproduces the program segments received from the host and includes mechanisms for interactively navigating among the program segments. A usage log is compiled to record the subscriber's use of the provided program materials, to return data to the host for billing, to adaptively modify the subscriber's preferences based on actual usage, and to send subscriber-generated comments and requests to the host for processing. Voice input and control mechanisms included in the player allow the user to perform hands-free navigation of the program materials and to dictate comments and messages which are returned to the host for retransmission to other subscribers. The program segments sent to each subscriber may include advertising materials which the user can selectively play to obtain credits against the subscriber fee. Parallel audio and text transcript files for at least selected programming enable subject matter searching and synchronization of the audio and text files. Speech synthesis may be used to convert transcript files into audio format. Image files may also be transmitted from the server for synchronized playback with the audio programming.

17 Claims, 7 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 7

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw. Desc | Image |

☐ 13. Document ID: US 6151571 A

L10: Entry 13 of 20   File: USPT   Nov 21, 2000

US-PAT-NO: 6151571
DOCUMENT-IDENTIFIER: US 6151571 A

TITLE: System, method and article of manufacture for detecting emotion in voice signals through analysis of a plurality of voice signal parameters

DATE-ISSUED: November 21, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pertrushin; Valery A.	Arlington Heights	IL		

US-CL-CURRENT: 704/209; 704/207, 704/270

ABSTRACT:

A method and system for monitoring a conversation between a pair of speakers for detecting an emotion of at least one of the speakers is provided. First, a voice signal is received after which a particular feature is extracted from the voice signal. Next, an emotion associated with the voice signal is determined based on the extracted feature. The emotion is screened and feedback is provided only if the emotion is determined to be a negative emotion selected from the group of negative emotions consisting of anger, sadness, and fear. Such determined negative emotion is then outputted to a third party during the conversation.

20 Claims, 41 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 35

☑ 14. Document ID: US 6144659 A

L10: Entry 14 of 20   File: USPT   Nov 7, 2000

US-PAT-NO: 6144659
DOCUMENT-IDENTIFIER: US 6144659 A

TITLE: Telecommunication equipment support of high speed data services

DATE-ISSUED: November 7, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nye; Robert Alan	Plainfield	IL		
Posthuma; Carl Robert	Wheaton	IL		

US-CL-CURRENT: 370/359; 370/420, 370/463, 370/493, 379/93.01

ABSTRACT:

A line interface unit terminates individual subscriber lines and supports conventional telephone service and high speed data service. It provides an interface between subscriber customer premises equipment and central office equipment. The use of large diplex filters is not required in order to terminate subscriber lines at the central office while providing high speed data services.

23 Claims, 4 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 4

☑ 15. Document ID: US 5913062 A

L10: Entry 15 of 20   File: USPT   Jun 15, 1999

US-PAT-NO: 5913062
DOCUMENT-IDENTIFIER: US 5913062 A

TITLE: Conference system having an audio manager using local and remote audio stream state machines for providing audio control functions during a conference session

DATE-ISSUED: June 15, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vrvilo; Benjamin	Portland	OR		
Sloss; Reed	Beaverton	OR		
Tung; Peter	Beaverton	OR		

US-CL-CURRENT: 709/321

ABSTRACT:

The audio manager provides an interface between one or more upper-level conferencing drivers of the conferencing system and one or more lower-level audio drivers of the

conferencing system to isolate the conferencing drivers from the audio drivers. The
audio manager is adapted to perform a plurality of functions called by the
conferencing drivers. The audio manager comprises a local audio stream state machine
and a remote audio stream state machine.

4 Claims, 45 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 41

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

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16.   Document ID: US 5859979 A

L10: Entry 16 of 20   File: USPT   Jan 12, 1999

US-PAT-NO: 5859979
DOCUMENT-IDENTIFIER: US 5859979 A

TITLE: System for negotiating conferencing capabilities by selecting a subset of a
non-unique set of conferencing capabilities to specify a unique set of conferencing
capabilities

DATE-ISSUED: January 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tung; Peter	Beaverton	OR		
Mirashrafi; Mojtaba	Portland	OR		
Sloss; Reed	Beaverton	OR		
Cox; Katherine	Hillsboro	OR		

US-CL-CURRENT: 709/228; 370/260, 370/261, 709/204, 709/227

ABSTRACT:

Conferencing nodes transmit messages back and forth to negotiate characteristics for
their conferencing session. The messages identify different sets of conferencing
capabilities supported by the conferencing nodes. A first node transmits a request
to a second node, wherein the request identifies a first set of conferencing
capabilities of the first node. The second node transmits a response to the first
node, wherein the response identifies a second set of conferencing capabilities of
the second node and the second set is a subset of the first set. The first node and
second node conduct conferencing based on the second set.

28 Claims, 45 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 41

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

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17.   Document ID: US 5794018 A

L10: Entry 17 of 20   File: USPT   Aug 11, 1998

US-PAT-NO: 5794018
DOCUMENT-IDENTIFIER: US 5794018 A

TITLE: System and method for synchronizing data streams

DATE-ISSUED: August 11, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vrvilo; Benjamin	Portland	OR		
Tung; Peter	Beaverton	OR		
Gutmann; Michael	Hillsboro	OR		

US-CL-CURRENT: 713/400; 709/231, 709/248

ABSTRACT:

Two sequences of signal packets are played. Each signal packet of a first type of signals has been stamped with a sequence number corresponding to the position of the signal packet in the first sequence. Each signal packet of a second type of signals has been stamped with a corresponding sequence number of the first sequence. The playing of the second sequence is synchronized with the playing of the first sequence by comparing the sequence numbers of the second sequence to the sequence numbers of the first sequence. In a preferred embodiment, the two types of signals are audio signals and video signals, and the video signal packets are stamped with sequence numbers for the audio signal packets. Each video signal packet of the video sequence is processed for display based on a comparison of the sequence number for the video signal packet and the sequence number for the current audio signal packet.

30 Claims, 41 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 41

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

☑ 18.   Document ID: US 5732216 A

L10: Entry 18 of 20   File: USPT   Mar 24, 1998

US-PAT-NO: 5732216
DOCUMENT-IDENTIFIER: US 5732216 A

TITLE: Audio message exchange system

DATE-ISSUED: March 24, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Logan; James	Windham	NH		
Goessling; Daniel F.	Wayland	MA		
Call; Charles G.	Hingham	MA		

US-CL-CURRENT: 709/203; 704/201, 725/86

ABSTRACT:

An audio program and message distribution system in which a host system organizes and transmits program segments to client subscriber locations. The hose organizes the program segments by subject matter and creates scheduled programming in accordance with preferences associated with each subscriber. Program segments are associated with descriptive subject matter segments, and the subject matter segments may be used to generate both text and audio cataloging presentations to enable the user to more easily identify and select desirable programming. A playback unit at the subscriber location reproduces the program segments received from the host and includes mechanisms for interactively navigating among the program segments. A usage

log is compiled to record the subscriber's use of the provided program materials, to return data to the host for billing, to adaptively modify the subscriber's preferences based on actual usage, and to send subscriber-generated comments and requests to the host for processing. Voice input and control mechanisms included in the player allow the user to perform hands-free navigation of the program materials and to dictate comments and messages which are returned to the host for retransmission to other subscribers.

19 Claims, 7 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 7

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

☐ 19.   Document ID: US 5721827 A

L10: Entry 19 of 20   File: USPT   Feb 24, 1998

US-PAT-NO: 5721827
DOCUMENT-IDENTIFIER: US 5721827 A

TITLE: System for electrically distributing personalized information

DATE-ISSUED: February 24, 1998

INVENTOR-INFORMATION:

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US-CL-CURRENT: 709/217

ABSTRACT:

An audio program and message distribution system in which a host system organizes and transmits program segments to client subscriber locations. The host organizes the program segments by subject matter and creates scheduled programming in accordance with preferences associated with each subscriber. Program segments are associated with descriptive subject matter segments, and the subject matter segments may be used to generate both text and audio cataloging presentations to enable the user to more easily identify and select desirable programming. A playback unit at the subscriber location reproduces the program segments received from the host and includes mechanisms for interactively navigating among the program segments. A usage log is compiled to record the subscriber's use of the provided program materials, to return data to the host for billing, to adaptively modify the subscriber's preferences based on actual usage, and to send subscriber-generated comments and requests to the host for processing. Voice input and control mechanisms included in the player allow the user to perform hands-free navigation of the program materials and to dictate comments and messages which are returned to the host for retransmission to other subscribers. The program segments sent to each subscriber may include advertising materials which the user can selectively play to obtain credits against the subscriber fee. Parallel audio and text transcript files for at least selected programming enable subject matter searching and synchronization of the audio and text files. Speech synthesis may be used to convert transcript files into audio format. Image files may also be transmitted from the server for synchronized playback with the audio programming.

40 Claims, 7 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 7

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

☐ 20. Document ID: US 5574934 A

L10: Entry 20 of 20   File: USPT   Nov 12, 1996

US-PAT-NO: 5574934
DOCUMENT-IDENTIFIER: US 5574934 A

TITLE: Preemptive priority-based transmission of signals using virtual channels

DATE-ISSUED: November 12, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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US-CL-CURRENT: 709/207; 340/825.5, 370/462, 709/231, 712/220, 715/526, 725/118, 725/95, 725/99

ABSTRACT:

A computer system for transmitting two or more types of signals. Each type of signal is assigned a priority level. Signals of a particular type are transmitted as they become ready for transmission, unless signals of a different type having a greater priority become ready for transmission. In that case, the transmission of the low-priority signals is interrupted to allow transmission of the high-priority signals. The transmission of the low-priority signals is resumed after the transmission of the high-priority signals is complete. In a preferred embodiment directed to conferencing systems, audio signals are assigned higher priorities than video, data, and control signals in order to provide a high-quality to the audio portion of a conferencing session.

33 Claims, 41 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 41

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | | KWIC | Draw Desc | Image |

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